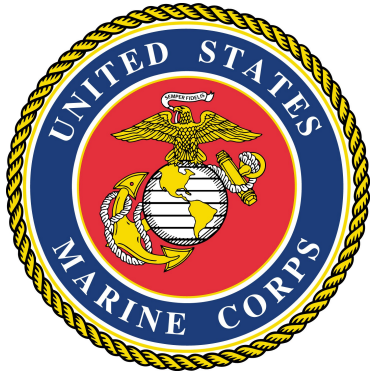


A black and white photograph of the iconic Iwo Jima flag-raising scene. Several Marines are shown in silhouette, struggling to hoist a large American flag onto a tall pole against a bright, hazy sky. The flag is partially unfurled, showing the stars and stripes. The scene is set on a rocky, uneven terrain.

# **USMC UPDATE**

## **AFEB Spring 2004**

**CDR David McMillan, MC, USN**  
**Preventive Medicine Officer**  
**Headquarters, U. S. Marine Corps**  
**Health Services**



# OIF II Issues

- Eye Protection
- Injury patterns
- Leishmaniasis



# Eye Protection



- Eye protection very effective in blast injury cases.
- Style versus effectiveness.
- Large scale implementation of new system.



# Injury Patterns

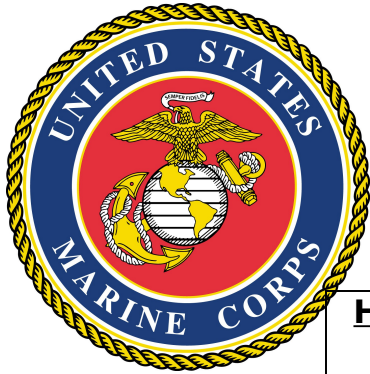


- Body armor protects torso.
- Neck protection recently added.
- Where else do we need to add protection?

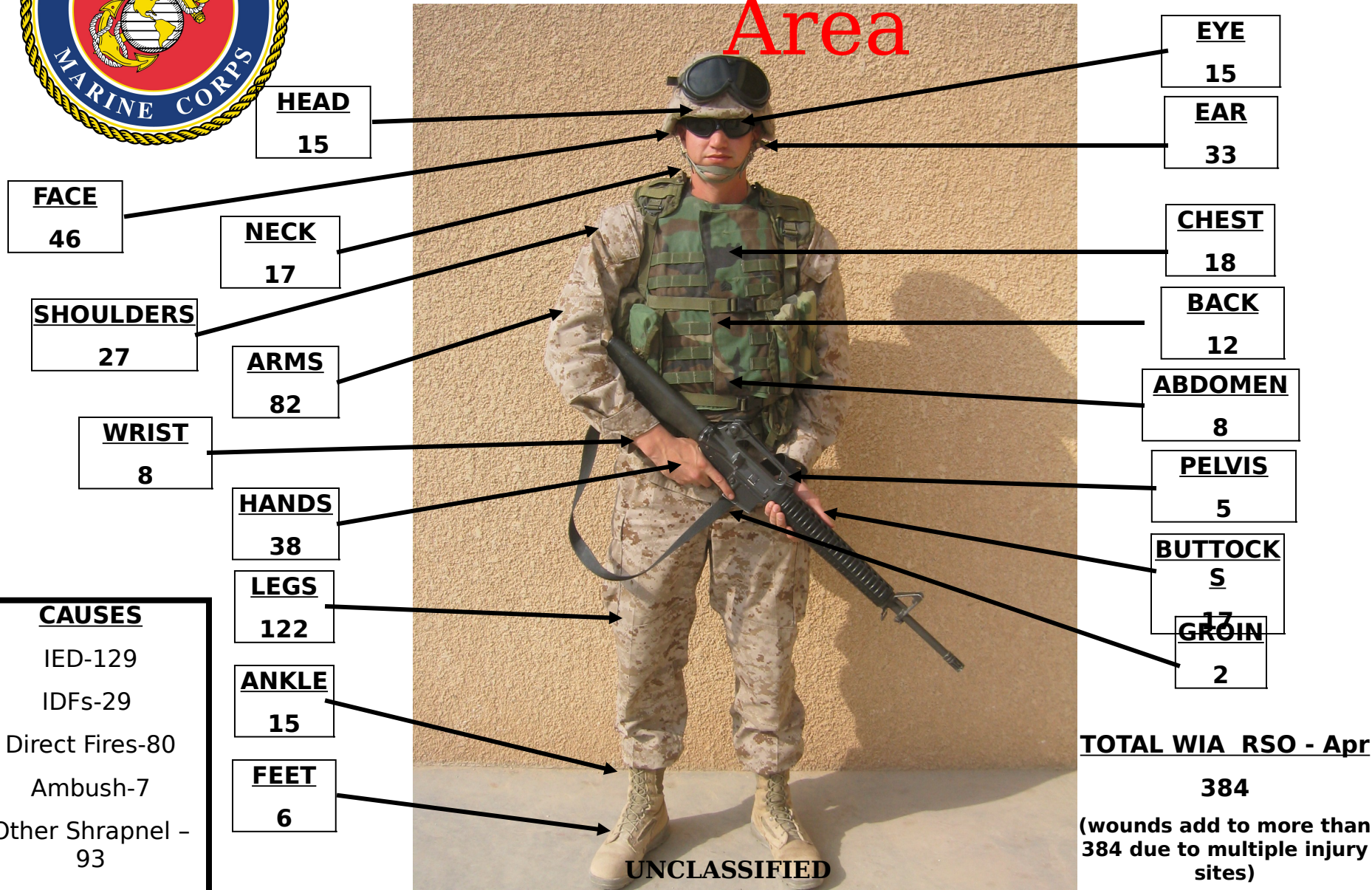
Torso = 36% surface area

Head/neck = 10% surface area



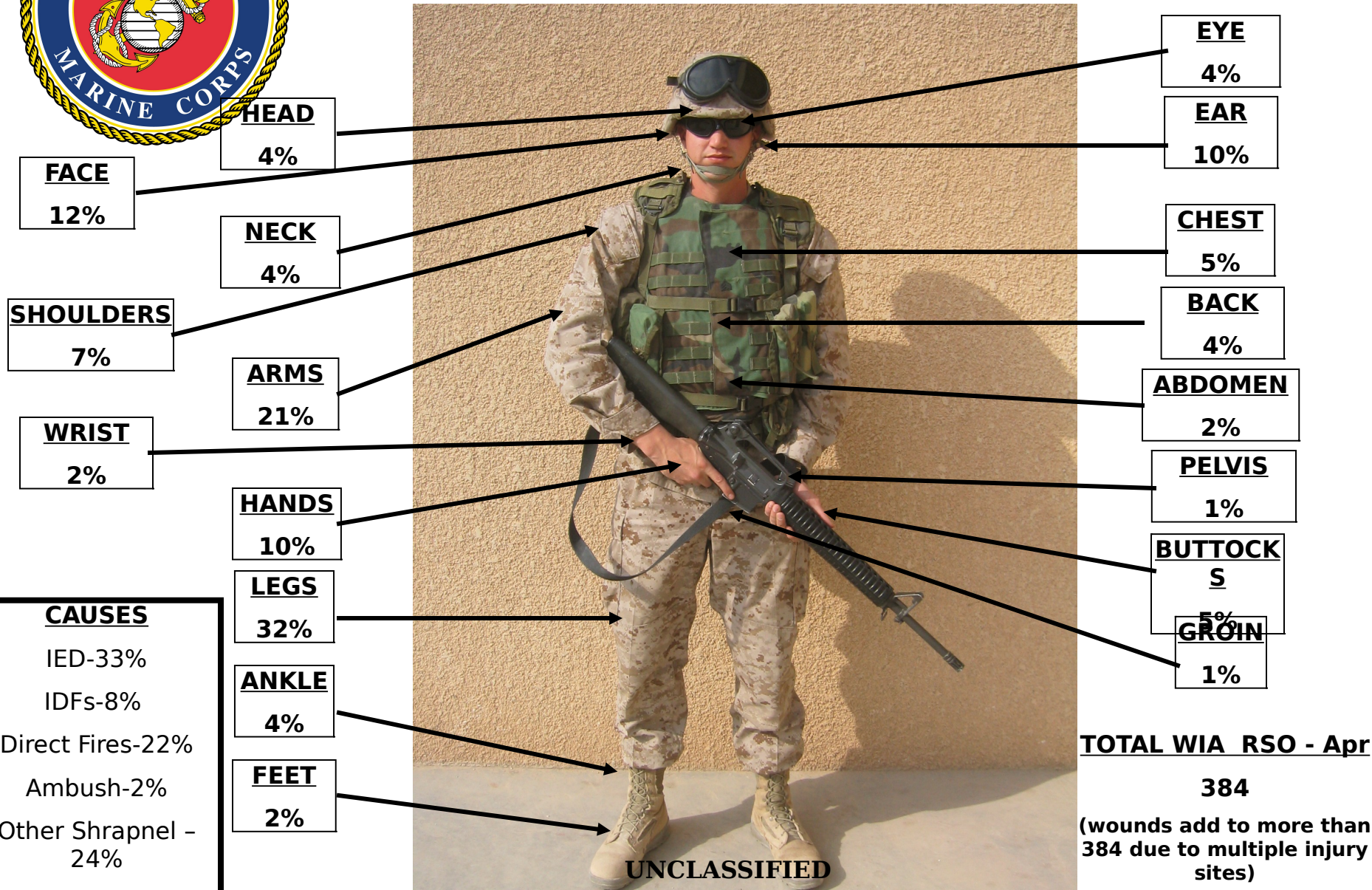


# Number of Wounds by Area





# Percentage by Area







# Wounds by Large Area

## HEAD/NECK

126

33%

## UPPER EXTREMITY

155

40%

## CAUSES

IED-129

IDFs-29

Direct Fires-80

Ambush-7

Other Shrapnel -  
93

## TOTAL WIA RSO -

Apr

384

Percent adds to more  
than 100 due to multiple  
injury sites

## TORSO

38

10%

## PELVIS

24

6%

## LOWER EXTREMITY

143

37%





# KIA Wounds by Area

**HEAD**  
8

**FACE**  
2

**NECK**  
5

**CHEST**  
4

**HANDS**  
1

**LEGS**  
2

**Shoulders**  
2

**ARMS**  
2

**ABDOMEN**  
1

**HIP/PELVIS**  
1

## CAUSES

IED-6

IDFs-6

Direct Fires-29

Other Shrapnel - 3

Other - 6



UNCLASSIFIED

**TOTAL KIA RSO -**  
**Apr**

**50**

Missing data due to  
incomplete PCR's or  
trauma listed as

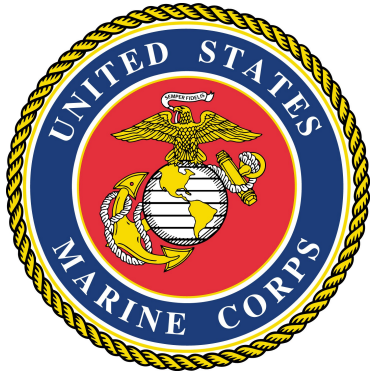




# Expanding Coverage



- Enhanced axillary and lateral chest protection.
- Enhanced groin and thigh protection.



# Leishmaniasis

- 12 cases in USMC supporting OIF out of over 74,000 deployed.
- Bed nets available in country.
- Next generation bed net contracts.
- Commercial permethrin treatment of uniforms.
- Factory-treated uniforms.
- Risk communication.





# GOT DEET?

**Help prevent the bites from Sand Flies which causes Leishmaniasis. Use DEET along with permethrin treated uniforms**



- Apply a thin coat to EXPOSED skin
- Effective for up to 12 hours
- Do not apply to eyes, lips, sensitive or damaged skin, or plastic.
- Skin repellent of choice!



**Sand Fly bites.**

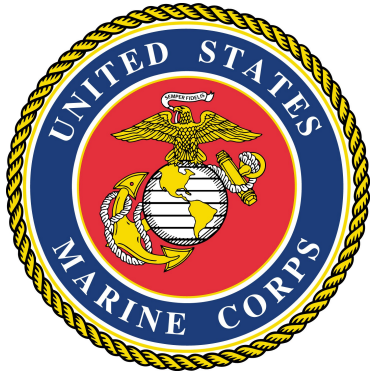


**Sand Fly**  
(1/3 the size of a mosquito)

**DEET can be picked up at :  
MHG Aid  
Station (next to Turkish**



**Leishmaniasis - caused from the bite of a Sand Fly.**



# Questions?

David McMillan, MD, MPH  
Commander, Medical Corps, USN